

FAYNERMAN, I.D.

Investigating errors due to the functional interchangeability.

Vzaim. i tekhn. izm. v mashinostr.; nauch. -tekhn. sbor.no.4:

395-402 '64

(MIRA 18:1)

FAYNERMAN, I.D.

Necessary and sufficient number of checks. Priborostroenie no.9:
11-13 S '64. (MIRA 17:11)

BOGACHIK, L.I.; ZATULOVSKIY, B.G.; MEL'NIK, Ya.I.; BOGACHIK, A.A.; FAYNERMAN, N.M.

Paroxysmal rickettsiosis in Vinnitsa Province. Zhur.mikrobiol.,
epid. i immun. 41 no.5:61-63 My '64. (MIRA 18:2)

1. Vinn'skaya oblastnaya sanitarno-epidemiologicheskaya stantsiya
i Kiyevskiy institut epidemiologii i mikrobiologii.

FAYNERMAN, V.I., inzh.

Distribution density of the fractional composition of petroleum products. Nauch.zap.Ukrniiproekta no.8:103-107 '62.
(MIRA 16:1)
(Petroleum products)

DAVIDOV, R.B., doktor tekhn. nauk, prof.; FAYNGAR, B.I.; GUL'KO, L.Ye.,
kand. sel'skokhoz. nauk

Enrichment of whey with protein and vitamins. Izv. TSKHA no.5:
166-171 '63. (MIRA 17:7)

FAYIGAR, V.

After the transition to business accounting. Fin. SSSR 21 no.9:55-
57 S '60. (MIRA 13:9)

1. Zamestitel' nachal'nika otdela Ministerstva finansov AzerSSR.
(Azerbaijan--Architecture--Designs and plans)
(Azerbaijan--Construction industry--Finance)

~~RAYNGERSH, A.~~ inzh.; BOROKHOVSKIY, L.

Transportation of flour in folding containers. Muk.-elev. prom. 23
no.10:22-23 0 '57. (MIRA 11:1)

1. Promzernoproyekt.
(Flour--Transportation)

FAYNGERSH, A.

A new port tugboat. Mor. flot 24 no.2:30-32 F '64.
(MIRA 18:12)

1. Predsedatel' priyemochnoy komissii i kapitan
Ventpilsakogo porta.

NESMEYANOV, D.V.; KOCHAR'YANTS, S.B.; FAYNGERSH, L.A.

Reflection of the structure of the Mesozoic sediments in the northwestern Caspian Sea region on the paleogeologic map of a Pre-Pliocene surface. Neftegaz. geol. i geofiz. no.6:30-35 '63.
(MIRA 17:10)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti.

GUSEVA, A.N.; FAYNGERSH, L.A.

Possible causes of the change of the hydrocarbon composition of petroleum light fractions based on the study of petroleums from carboniferous pools in the Sokso-Sheshminskaya oil and gas-bearing zone. Neftgaz. geol. i geof. no.5:30-33 '65.

(MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet i Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti Gosudarstvennogo geologicheskogo komiteta SSSR.

GRACHEVSKIY, M.M.; GUSEVA, A.N.; FAYNGERSH, L.A.

Causes responsible for the changes in the composition of oils from the terrigenous oil- and gas-bearing complexes of the Volga-Ural region. Izv. AN SSSR. Ser. geol. 30 no.8:76-84 Ag '65. (MIRA 18:9)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova i Nauchno-issledovatel'skaya laboratoriya geologicheskikh kriteriyev otsenki perspektiv neftegazonosnosti Gosudarstvennogo geologicheskogo komiteta SSSR, Moskva.

FAYNGERSH, N.

Hail to the initiative of scientific workers. Radio no. 4:16 Ap '54.
(MLRA 7:4)

1. Glavnyy inzhener Gor'kovskoy oblastnoy direktsii radiotranslyatsion-
noy seti. (Radio--Bibliography)

FAYNOMERSH, N.S.

Bore cutter for digging holes. Vest.sviazi 16 no.11:18 N'56.
(MLRA 10:1)

1. Glavnyy inzhener Gor'kovskoy Direktsii radiotranslyatsionnykh
setey.

(Electric lines--Poles) (Boring machinery)

FAYNGERSH, N. S.

6(4);28(1)

PHASE I BOOK EXPLOITATION

SOV/3296

Kokurin, Ivan Ivanovich, and Naum Samoylovich Fayngersh

Avtomatizatsiya upravleniya radiouzlami (Automation of Rediffusion Stations)
Moscow, Svyaz'izdat, 1958. 53 p. (Series: Opyt peredovykh svyazistov)
9,500 copies printed.

Resp. Ed.: I. P. Bushin; Ed.: L. I. Vengrenyuk; Tech. Ed.: K. G. Markoch.

PURPOSE: The booklet is intended for specialists in rediffusion broadcasting.

COVERAGE: The authors, both specialists in the automation of repeater stations in rediffusion broadcasting, describe in detail the methods used in converting amplifying systems to remote-controlled operation in the town of Gor'kiy. They describe experience gained in operating the equipment, in checking its performance and in telemetering and remote monitoring of conditions in transmission lines. They also list the advantages in economy resulting from the automation of rediffusion stations and substations. The authors conclude that experience gained in the automation of the broadcasting network in the town of Gor'kiy can be used in other cities. The following persons participated

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Automation of Rediffusion Stations

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in the work: I. Y. Gor, V. M. Vasilenko, V. P. Klyuchev, N. A. Kirpichev, A. P. Buyanov, L. S. Timofeyev, V. I. Semyenov and Yu. V. Gortinskiy. There are no references.

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Automation of Rediffusion Stations

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Automation of Rediffusion Stations

SOV/3296

12. Economic Advantages of Automation

51

13. Appendix. Standards for Calculating Trunks of Various Types
for Repeater Substations of Remote Control and VPP

55

AVAILABLE: Library of Congress (TK6561.K55)

Card 4/4

JP/fal
3-24-60

SOV/111-58-3-20/29

AUTHOR: Fayngersh, N.S., Chief Engineer of the Gor'kiy DRTS

TITLE: Exchange of Experience in Mekhanization and Automation
(Obmen opytom mekhanizatsii i avtomatizatsii)

PERIODICAL: Vestnik svyazi, 1958, ¹⁸Nr 3, p 27 - 28 (USSR)

ABSTRACT: Communication workers of the Gor'kiy Oblast convened in Gor'kiy for a conference dealing with the mechanization of the construction of open air communication lines, and automatic devices for telephone exchanges. First line inspectors and supervisors of local communication installations discussed the application of earth augers and winches for setting up poles for open air telephone lines. The inventor of the earth auger, of which 150 are used in the Gor'kiy Oblast, V.B. Inshakov answered questions concerning suggestions for improvement of this device. The chief mechanic of the Gor'kiy SMUR, A.N. Savel'yev, spoke on the operation of a pole setting device invented by him. The functioning of the various mechanical aids was demonstrated to the participants of the conference. Engineer A.P. Dobrotvorskiy spoke on increasing the durability of telephone poles by

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SOV/111-58-3-20/29

Exchange of Experience in Mekhanization and Automation

means of modern impregnating methods. The conference also heard reports concerning the operation of semiautomatic telephone exchanges in the Gor'kiy Oblast. While reporting on the results of the work performed during the past years, the conference participants pointed out the lack of mechanical equipment at the different communication installations, and that automatic equipment becomes available too slowly. There is one photo.

Card 2/2

SOV/111-58-4-23/34

AUTHOR: Savel'yev, A.N., Chief Mechanic of the Gor'kiy SMUR; Fayngersh, N.S., Chief Engineer of the Gor'kiy DRTS

TITLE: A Manual Carriage for Settling Poles (Ruchnaya telezhka-stolbostav)

PERIODICAL: Vestnik svyazi, 1958, ¹⁸Nr 4, pp 29-30 (USSR)

ABSTRACT: The use of the auger described in Vestnik svyazi, 1956, Nr 11, complicates the setting of telephone poles, especially those of great dimensions. A.N. Savel'yev designed a manual carriage for setting telephone poles having a total weight of 270 kg, equipped with a winch "LS-2". The construction of this pole setting carriage is described in detail and explained by one sketch. There is 1 diagram.

ASSOCIATION: Gor'kovskoye SMUR (Gor'kiy SMUR) Gor'kovskaya DRTS (Gor'kiy DRTS)
1. Communications systems--Equipment 2. Construction equipment

Card 1/1

LEVIN, Arnol'd Iosifovich, inzh.; FAYNGERSH, Nann Semoylovich, inzh.;
VENIGRENYUK, L.I., red.; KARABILOVA, S.F., tekhn.red.

[Use of machinery in building and repairing subscription
radio lines and district telephone lines] Mekhanizatsiya
rabot po stroitel'stvu i remontu lineino-abonentskoi seti
radiofikatsii i VRS. Moskva, Gos.izd-vo lit-ry po voprosam
svyazi i radio, 1959. 27 p. (MIRA 12:10)

1. Gor'kovskaya oblastnaya direktsiya radiotranslyatsionnoy seti
(for Levin, Fayngersh).
(Electric lines--Overhead)

6(4,7)

AUTHOR:

Fayngersh, N.S., Chief Engineer

SOV/111-59-9-13/31

TITLE:

What is Holding Up Automation and Mechanization on the
VRS and Radiofication Networks

PERIODICAL:

Vestnik svyazi, 1959, Nr 9, pp 18-19 (USSR)

ABSTRACT:

The article deals with the subject of automation and mechanization on the intra-district communication (VRS) and radiofication networks in the USSR generally, with criticism of work to date, and recommendations for improvement in the conduct of work. The author reviews automation and mechanization work in the Gor'kiy Province; in the city of Gor'kiy, he states, all repeater sub-stations are now on remote control; in the current year the entire closed-circuit radiofication network at the large Dzerzhinsk radio broadcasting center will be put on remote control. The decisions of the 21st Party Congress, states the author, provide for completing the radiofication and telephonization of the villages. In connection with the expansion and replacement of line facilities the author

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SOV/111-59-9-13/31

What is Holding Up Automation and Mechanization on the VRS and Radiofication Networks

briefly describes some new equipment for simplification and speeding up of the processes in line construction. The BGKM-AN-63 machine is now in limited use; recently introduced are: a cutting drill for sinking post holes, developed by Inshakov of Gor'kiy, a pole placing cart, developed by Savel'yev, chief mechanic of the Gor'kiy SMUR, a hand-operated winch, a drill-crane, developed by the Tsentral'noye konstruktorskoye byuro ministerstva svyazi (Central Design Office of the Ministry of Communications), and an electric drill. The author is critical of the limited use of such tools in many places, and of the poor quality of the cutting drills being manufactured in comparison with those put out by a Gor'kiy factory. Reference is made to work done by the Kiyevskoye otdeleniye tsentral'nogo nauchno-issledovatel'skogo instituta svyazi (Kiyev Section of the Central

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SOV/111-59-9-13/31

What is Holding Up Automation and Mechanization on the VRS and Radiofication Networks

Scientific-Research Institute of Communications) and the Odesskiy elektrotekhnicheskiy institut (Odessa Electrotechnical Institute) in line work. The transfer of VRS and radiofication line work to the lineynotekhnicheskiye uzly (line-technical centers) should be speeded up, and a simpler method of combining high-voltage power lines (up to 6-10 kv) with radiofication feed lines should be worked out. The author notes that repeater sub-stations in the large cities, and rural radio broadcasting centers are only slowly being put on remote control, and finds the explanation in the fact that industry has not yet begun to put out the SVR ADU equipment developed several years ago. Deficiencies in the mechanization processes on VRS lines - the absence of ATS block stations, the use of rectifier power units with automatic switching to battery operation, and the question of multiplexing VRS lines with high frequency equipment - are also mentioned.

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SOV/111-59-9-13/31

What is Holding Up Automation and Mechanization on the VRS and Radiofication Networks

The author wishes that information about new developments could be more quickly disseminated, and that more technical conferences might be held. Reference is made to a conference conducted by the Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi imeni A.S. Popova (Scientific-Technical Society of Radio Engineering and Electro-communications imeni A.S. Popov) in Leningrad two years ago on automation of communications facilities; results, he states, are unknown. He expresses criticism of "Svyaz'izdat" for slowness in publishing various brochures, particularly the publication of "Automation of the Control of Radio Broadcasting Centers" ("Avtomatizatsiya upravleniya radiouzlami"), written by the author and Kukurin, and a brochure on the mechanization of line work.

Card 4/4

ASSOCIATION: Gor'kovskiy DRTS (Gor'kiy DRTS)

ARKHANGEL SKIY N.M.; SEREBRIN, L.A.; SAZONOV, I.I.; PESHKO, M.K.;
SHANURENKO, V.I.; PAYNGERSH, N.S., inzh.; KLYUCHEV, V.M., inzh.;
PARADNYA, P.F.; LINCHEVSKIY, M.A.; PARSHIN, A.P.

Additional potentials in the development of multiprogramm
broadcasting. Vest. svyazi 24 no.12:13-15 D '64

(MIRA 18:2)

1. Nachal'nik Karagandinskoy direktsii radiotranslyatsionnoy seti (for Arkhangel'skiy). 2. Nachal'nik Odesskoy oblastnoy direktsii radiotranslyatsionnykh setey (for Serebrin). 3. Glavnyy inzh. Rizhskoy direktsii radiotranslyatsionnykh setey (for Sazonov). 4. Starshiy inzh. Rizhskoy direktsii radiotranslyatsionnykh setey (for Peshko). 5. Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta Ministerstva svyazi SSSR (for Shanurenko). 6. Gor'kovskaya direktsiya radiotranslyatsionnykh setey (for Payngersh, Klyuchev). 7. Nachal'nik Kiyevskoy gorodskoy direktsii radioseti (for Paradnya). 8. Glavnyy inzh. Uzbekskoy respublikanskoy direktsii radiotranslyatsionnykh setey (for Linchevskiy). 9. Nachal'nik Ufimskoy gorodskoy radiotranslyatsionnoy seti (for Parshin).

FAYNGERSH Ya. D.
RAYKH, I.Ya., inzhener; FAYNGERSH, Ya.D., inzhener.

Terminals and contacts for wire and cable current-carrying cores.
Mekh.stroi.11 no.9:30-32 S '54. (MIRA 7:9)
(Electric cables)

FAYNGERSH, Ya. D.

RAIKH, I. Ya., inzhener; FAYNGERSH, Ya. D., inzhener.

Mechanical method of making openings in masonry walls. Mekh. stroi.
11 no. 11:28-29 N '54.

(MLRA 7:12)

(Masonry) (Drilling and boring)

FAYNGERSH, Ya. D.

AID P - 1911

Subject : USSR/Engineering

Card 1/1 Pub. 29 - 16/25

Authors : Raykh, I. Ya., Eng. and Fayngersh, Ya. D., Eng.

Title : Mounting of a vertical dry cable

Periodical : Energetik, no.2, 26-29, F 1955

Abstract : The author describes the mounting of a 10 kv cable at the Moscow State University (MGU). The high-voltage substations at the MGU are located on levels 30 to 100 m apart. Three drawings and 6 photographs.

Institution: As mentioned above

Submitted : No date

RAYKH, I.Ya., inzhener; FAYNGERSH, Ya.D., inzhener.

Device for use with loaders in installing outdoor lighting systems.
Mekh.stroi. 12 no.2:31-32 F '55. (MIRA 8:4)
(Street lighting) (Fork lift trucks)

SEREBRYAKOV, V.M., inzhener; ~~FAYNGERSH~~, Ya.D., inzhener; RAYKH, I.Ya.,
inzhener

Use of glass tubing in electric installation work. Sbor. mat.
o nov. tekhn. v stroi. 17 no.7:22-26 '55. (MLRA 8:9)
(Electric conduits)

RAYKH, I.Ya., inshener; ~~FAYGOMESH~~, Ya.D., inshener.

Industrial methods of handling and installing steel pipes used in
electric wiring. Strel. prom. 33 no.10:17-20 0 '55. (MLRA 9:1)
(Electric conduits)

SVESHNIKOV, V.A. · ~~RAYNGERSH, Ya.D.~~; PATENOVSKAYA, M.I., red.; TARKHOVA,
K.Ya., tekhn. red.

[Safety manual for workers using assembly guns] Pamiatka po
tekhnike bezopasnosti dlia rabotaiushchikh stroitel'no-
montazhnym pistoletom. Izd.2., perer. i dop. Moskva, Gos-
stroizdat, 1963. 27 p. (MIRA 16:10)
(Construction equipment—Safety measures)

LEYZEROVICH, M.Ya.; FAYNGERSH, Yu.Ya.

Machine for the forming of covers for the platform sole of
women's shoes. Kosh.-obuv.prom. no.7:37 J1 '59.

(MIRA 12:11)

(Shoe machinery)

FAYNGERTS, M.M.

Organizing laboratory and other practical work in physics.
Fiz. v shkole 21 no.1:81-83 Ja-F '61. (MIRA 14:9)

1. 18-ya srednyay shkola, g. Koltan Kemerovskoy oblasti.
(Physics--Study and teaching)

1
Theory and practice of the system of technical norms
6.izd. Moskva, Tekhnika upravleniia, 1930 223 p. (52-57242)

T59.F33 1930

FAINLOZ, P. I.

Principles of technical standardization. Moskva, G lav. red. aviatsionnoi lit-ry
1946. 195 p. (50-22185)

TL724. 1. P7F3

FAYNGLUZ, P. P.

Technische Normung Und Organisation Der Arbeit In Post-Und Fernmeldewesen; Nur Für Den Dienstgebrauch Bei Der Deutschen Post. Von P. P. Fayngluz Und M. A. Vlassov. Berlin, Technik, 1959. 189 P. Tables. Added T.-P. In Russian. Translated From The Russian, "Tekhnicheskoye Normirovaniye i Organizatsiya Truda V Khazyanstve Svyazi, "Moscow, 1949. Bibliographical Footnotes.

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FAYNGLUZ, P.P.; PAPINAKO, I.G., redaktor; SOKOLOVA, R.Ya., redaktor.

[Technical work standards in communications] Tekhnicheskoe normirovanie
v khoziaistve aviatsii. Moskva, Gos. izd-vo lit-ry po voprosam aviatsii i
radio, 1953. 267 p. (MLRA 7:1)
(Telecommunications) (Postal service)

Fayngluz, P.P.
FAYNGLUZ, P.P.

Osnovy tekhnicheskogo normirovaniia. Moskva, Glav. red. aviatsionnoi lit-ry, 1946
"Kurs...leksi, chitannykh avtorom v 1941-1944 gg. v Kazanskom i Voronezhskom
aviatsionnykh institutakh."

Title tr.: Fundamentals of technical standardization. A course of lectures
delivered by the author at Kazan and Voronezh aeronautical institutes in
1941-1944.

TL724.1.P7F3

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955

1 AYNGU 7/57
FAYNOLUZ, Platon Petrovich; PAPINAKO, I.G., redaktor; SOKOLOVA, R.Ya.,
tekhnicheskii redaktor

[Technical work standards in communications] Tekhnicheskoe normi-
rovanie truda v khsiaistve sviasi. Izd. 3-e. Moskva, Gos. izd-vo
lit-ry po voprosam sviasi i radio, 1955. 214 p. (MIRA 9:1)
(Telecommunication)

FAYNGLUZ, Platon Petrovich; VLASOV, Mikhail Andrianovich; KOMAROV,
Yu.N., red.; SIDOROVA, T.S., red.; MARKOVHC, K.G., tekhn. red.

[Establishment of work norms in the communications industry]
Tekhnicheskoe normirovanie truda v khoziaistve svyazi. 4 izd.
Moskva, Sviaz'izdat, 1962. 229 p. (MIRA 15:10)
(Telecommunication—Production standards)
(Postal service—Production standards)

FAYNGLUZ, Ye.

FAYNGLUZ4YE8

600

1. KUSAKOV, M., PROKOF'YEVA, Ye.,
FAYNGLUZ, Ye.
2. USSR (600)

"Physical Chemistry of Surface Phenomena in Technology of Oil," Iz. Ak. Nauk
SSR, Otdel. Tekh. Nauk, No. 5, 1940. Laboratory of Petroleum Beds, Institute
of Mining, Academy of Sciences USSR.

9. Report U-1530, 25 Oct. 1951

YEFREMECHENKO, V.F., inzh.; ~~FAYNGOL'D, B.S., inzh.~~

Attachment used for grinding hyperboloidal surfaces. Mash.Bel.
no.4:175-177 '57. (MIRA 11:9)
(Grinding machines--Attachments)

POZOREK, G.K.; FAYNGOL'D, E.P.

Reader's response to the article by M.A. Magoichenkov, and V.N. Diadyk "Certificate for boring and blasting operations in mines"; "Ugol'", 1962, No.12. Ugol' 38 no.8:62 Ag '63.

(MIRA 17:11)

1. Proizvodstvenno-eksperimental'noye upravleniye burovzryvnykh rabot Donetskogo soveta narodnogo khozyaystva.

FAYNGOL'D, G., inshener.

Conference on building on loess soils. Gor.i sel'.stoi. no.7:27
J1 '57. (MIRA 10:10)

(Soil mechanics) (Loess)

AID - P-7

Subject : USSR/Engineering

Card : 1/1

Author : Lapshin, N. G. and Fayngold, G. E., Engineers

Title : Experiences in producing concrete plates.

Periodical : Sbor. mat. o nov. tekhn. v stroi. 2, 17-18, 1954.

Abstract : Precast concrete plates were made in an upward position, thereby the proper placing of reinforcing bars could be better controlled. The boards used as forms were placed upright on a platform; concrete when poured in those forms was tamped by vibrators.

Institutions : Reinforced concrete construction Shop of the trust "Dneprostroydetal'".

Submitted : No date.

FAINGOL'D, G.M., inzhener.

Bin for hoisting loose materials. Nov.tekh.i pered. op. v stroi.
19 no.3:18-19 Mr '57. (MIRA 10:4)
(Hoisting machinery)

PAYNGOL'D, G. E.

More prestressed concrete construction. NTO no.12:33 D '59 (MIRA 13:3)

1. Uchenyy sekretar' Dnepropetrovskogo oblastnogo pravleniya Nauchno-
tekhnicheskogo obshchestva stroitel'noy industrii.
(Prestressed concrete construction)

BUSHTEDT, I.I., inzh.; FAYNGOL'D, G.E., inzh.

Use of cold emulsion bituminous mastic in nonrolled roofs and
for waterproofing. Stroim. 9 no. 3:17-20 Mr '63.

(MIRA 16:4)

(Roofing, Bituminous) (Waterproofing)

FAYNGOL'D, I.Ya., inzh.; KOSHENVOY, V.I., inzh.

TE10 main-line diesel locomotive. Elek.i tepl.tiaga 3 no.7:
4-7 J1 '59. (MIRA 13:3)
(Diesel locomotives)

KHATSKHELEVICH, M.N., inzh.; FAYNGOL'D, I.Ya., inzh.; BOROVSHIY, G.N.,
kand.tekhn.nauk; KLIMOV, N.N., inzh.

Replies to the inquiries of our readers. Elek. i tepl. tiaga
5 no.5:43 My '61. (MIRA 14:7)

(Railroads--Signaling)

(Diesel locomotives--Maintenance and repair)

SMOL'SKIY, B.M., dotsent, doktor tekhn.nauk; FAYNGOL'D, L.A., KUSOV, R.M.

Using electric hygrometers in systems for the automatic control
of moisture in gas. Sbor. nauch. trud. Bel. politekh. inst.
no.74:48-54 '59. (MIRA 13:8)

(Moisture--Measurement) (Automatic control)

1. OVER-00 EWT(1)/EWP(m)/EPF(n)-2/EWA(d)/EGS(k)/EWA(1) W7/GS

ACC NR: AT5027198

UR/0000/65/000/000/0123/0129

AUTHOR: Fayngol'd, L. A.

ORG: Institute of Heat and Mass Transfer AN BSSR, Minsk (Institut teplo- 1 massoobmena AN BSSR)

TITLE: Interference measurements of mass transfer in a turbulent boundary layer on a permeable surface

SOURCE: AN BSSR. Institut teplo- 1 massoobmena. Teplo- 1 massoobmen tel s okruzhayushchey gazovoy sredoy (Heat and mass exchange of bodies with the surrounding gaseous medium). Minsk, Nauka i Tekhnika, 1965, 123-129

TOPIC TAGS: mass transfer, boundary layer theory, turbulent flow, carbon dioxide, surface property

ABSTRACT: The object of the work was the interferometric measurement of the concentration field of an admixture (carbon dioxide gas) blown into a turbulent boundary layer through a permeable surface under isothermal conditions. The experimental apparatus (shown in a figure) consisted of an open type aerodynamic tube with a closed working column 0.8 meters long and with a cross section 190 x 360 mm.

Card 1/3

UDC: None

L 8925-66

ACC NR: AT5027198

The porous plate being investigated was placed in the lower wall. The flow velocity through the plate was varied smoothly up to 40 meters/sec. The porous plate was made of stainless steel and had dimensions of 0.28 x 0.035 x 0.005 meters. Photography of the radiation process was done with a "Zenith-S" camera mounted directly on the apparatus. Calculation of the concentration of carbon dioxide gas was done by the following formula:

$$c = \frac{\lambda}{l(n_{CO_2} - n_a)} \cdot \frac{\Delta}{b} \quad (5)$$

in which Δ/b was determined from the expansion of the interferograms. A figure shows the measured concentrations of carbon dioxide gas in the flow of a boundary layer at a distance of 200 mm from the start of the working section of the plate, for different degrees of blowing of carbon dioxide and a flow rate of 25 meters/sec. a further figure shows the concentration profiles for different degrees of blowing expressed in dimensionless coordinates. A formula is derived for the direct calculation of the profiles of the relative carbon dioxide concentrations in the boundary layer with blowing of carbon dioxide gas. Orig. art. has: 7 formulas and 4 figures.

Card 2/3

L 8920-00

ACC NR: AT5027198

SUB CODE: GC, ME/

SUBM DATE: 02Jul65/

ORIG REF: 004

OTH REF: 001

Card 3/3

FAYNGOL'D, L. I.

USSR/Medicine - Medical Equipment May/Jun 52
Metals - Shortage of Brass

"Ways of Economizing Materials in the Medical Instruments Industry," L.I. Fayngol'd, Main Admin, Med Inst Ind, Min of Pub Health USSR

"Med Prom" No 3, pp 6-10

Describes improved methods used by various plant manufacturing medical equipment and indicates the saving of material (particularly metals) achieved by applying these methods. Lays particular emphasis on the saving of brass, which is referred to as being in

216727

short supply. Stainless steel capillary tubing for the manufacturing of hypodermic syringe needles is referred to as being in very short supply.

216727

PAYNGOL'D, L.I.

Three-dimensional hot stamping in the medical instruments industry.
Med.prom. 10 no.3:37-41 J1-S '56. (MIRA 9:11)

1. Glavnoye upravleniye mediko-instrumental'noy promyshlennosti.
(MEDICAL INSTRUMENTS AND APPARATUS)
(FORGING)

FAYNGOL'D, L.I.

Prospects for the development of medical apparatus manufacture. Med.
prom. 14 no.7:3-6 Je '60. (MIRA 13:8)

1. Ministerstvo zdravookhraneniya SSSR.
(MEDICAL INSTRUMENTS AND APPARATUS)

FAYNGOL'D, L.I.

Conference on the coordination of plans for research and pilot
model construction in the field of medical technology. Med.prom.
15 no.1:57-58 Ja '61. (MIRA 14:1)
(DRUG INDUSTRY),

FAINGOL'D, L.I.

New catalog, "Medical instruments, devices, apparatus and
equipment." Reviewed by L.I. Faingol'd. Med. prom. 16 no.2:62
F '62. (MIRA 15:3)

(MEDICAL INSTRUMENTS AND APPARATUS—CATALOGS)

FAYNGOL'D, L.I.

New medical technics in 1962. Med.prom. 16 no.4:7-11 Ap '62.
(MIRA 15:8)

1. Upravleniye lekarstvennykh sredstv i meditsinskoy tekhniki
Ministerstva zdravookhraneniya SSSR.
(MEDICAL INSTRUMENTS AND APPARATUS)

L 15660-65 EWT(m)/EWA(d)/EWP(t)/EWP(b) ASD-3/AFETC/ESD-3/IJP(c)/Pa-4/ASD(f)-2/
 ASD(m)-3 JD/WD/MLK
 S/0000/64/000/000/0150/0159
 ACCESSION NR: AT4048065

AUTHOR: Tseytlin, Kh. L.; Fayngol'd, L. L.; Strunkin, V. A.

5+1

TITLE: Chemical stability of titanium in halo acids and halogens

SOURCE: Soveshchaniye po metallurgii, ²⁷metallovedeniyu i primeneniyu titana i yego
 splavov. 5th, Moscow, 1963. Metallovedeniye titana (Metallography of titanium);
 trudy* soveshchaniya. Moscow, Izd-vo Nauka, 1964, 150-159

TOPIC TAGS: titanium, titanium corrosion, titanium chemical stability, halogen,
 titanium halide, nitro compound ¹⁸

ABSTRACT: Halogens generally increase the corrosion of iron, copper, nickel, lead and other metals in hydrochloric acid. Only tantalum, a very costly and rare metal, has high stability, although titanium has sufficient stability in hydrochloric acid up to a concentration of 5%. The present paper considers the effect of halogens on the chemical stability of titanium in halo acids. Titanium corrodes insignificantly in halo acids at room temperature, but at 90C corrosion reaches tremendous proportions (about 400 mm/year in hydrochloric acid and 72 mm/year in hydrobromic acid). In all cases, addition of halogens to hydrochloric and hydrobromic acids was found to lower the corrosion rate of titanium, although increasing the temperature lowered the protective capacity of the halogens. Chlorine,
 Card 1/3

L 15660-65

ACCESSION NR: AT4048065

bromine and iodine decreased the corrosion of titanium to the same degree. The view that titanium reacts with chlorine, bromine and iodine only at high temperature is incorrect, since several recent publications have reported that titanium reacts rapidly with chlorine at room temperature and even at -18°C . Tests by the authors showed that VT1 titanium sheets ignite in chlorine gas at room temperature after 24 hours. Strong corrosion was observed with iodine at 60°C , while titanium did not corrode after 500 hours at room temperature. Other tests indicated that titanium reacts rapidly with both dry liquid bromine and moist bromine, although it has high stability in aqueous solutions of bromine up to 90°C . Ignition of titanium occurs when the reaction is highly exothermic and proceeds at a high rate, when the final products of the reaction are gases and when the reaction is autocatalytic. The formation of TiCl_4 , TiBr_4 and TiI_4 liberates large quantities of heat. Some publications have noted that aromatic nitro compounds increase the corrosion of iron, copper, lead, aluminum and their alloys by electrolytes. This is explained by the depolarization of nitro compounds during the process. No data are available in this respect about titanium. Tests by the authors showed that almost all nitro compounds sharply lower the corrosion rate of titanium by hydrochloric acid up to 60°C , but at 80°C this process changes and the protective action is observed only in the presence of o-nitrotoluene, o-nitrophenol, m-dinitrobenzene and 1,2,4-di-nitrochlorobenzene. The concentration of nitro compounds in 6 N HCl has a marked effect on titanium corrosion at 60°C . Orig. art. has: 6

6 N HCl
Cord 2/3

L 15660-65

ACCESSION NR: AT4048065

figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 15Jul64

NO REF SOV: 024

ENCL: 00

OTHER: 012

SUB CODE: MM

Card 3/3

1. FAYNGOL'D, M.A.
2. USSR (600)
4. Electrical Power Plants
7. Using exhaust gases from a mobile steam engine, Mekh. i elek.sel'khoz. no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SOV/112-58-1-208

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1, p 27 (USSR)

AUTHOR: Fayngol'd, M. A.

TITLE: Operation of Heating-and-Power Equipment in Rural Districts of the Ural
(Ekspluatatsiya teplosilovogo oborudovaniya v sel'skokhozyaystvennykh rayonakh Urala)

PERIODICAL: V sb.: Teplosnabzheniye i teploenerg. ustanovki s. kh. Minsk, AN BSSR, 1956, pp 159-168

ABSTRACT: The fundamental type of rural electric station in the Urals is a 20-125 hp locomobile station. On the basis of operating experience, the following fundamental tasks are cited for the coming years: (1) developing heating-supply systems; (2) mechanizing peat production and stacking and improving peat combustion; (3) staffing MTS with power-engineering technicians and training enginemen; (4) organizing repair of electric-station equipment by MTS personnel during the summertime.

Z. M. M.

AVAILABLE: Library of Congress

Card 1/1 1. Steam power plants--Operation 2. Steam power plants--Maintenance

FAYNGOL'D, M.A., inzh. (Sverdlovsk)

Use of gasholders at sewage purification plants. Vod. i san.
tekh. no.6:18-20 Je '62. (MIRA 15:7)
(Gasholders)
(Sewage—Purification)

FAYNGOL'D, M.I.

Quality of dial scales. Izv.tekh. no.2:15-17 F '62.

(MIRA 15:2)

(Scales (Weighing instruments)—Testing)

L 35359-66 EWT(1)/T IJP(c)

ACC NR: AR6017808

SOURCE CODE: UR/0058/66/000/001/E004/E004

AUTHOR: Fayngol'd, M. I.

37
8

TITLE: Concerning the Einstein-Smoluchowski problem

SOURCE: Ref. Zh. Fizika, Abs. 1E26

REF SOURCE: Uch. zap. Ul'yanovskiy gos. ped. in-t, v. 18, no. 5, 1964, 53-58

TOPIC TAGS: gas kinetics, statistical mechanics, particle collision, elastic collision, physical diffusion, temperature, thermal equilibrium

ABSTRACT: The author considers the mechanical problem of loss of energy E by a fast particle experiencing elastic collisions with stationary particles. An expression is obtained for the particle energy E_n after n collisions ($E_n \rightarrow 0$ as $n \rightarrow \infty$), and then the expression is generalized to the case of mobile scattering centers, the mobility being characterized by a temperature T (here $E_n \rightarrow 3kT$ as $n \rightarrow \infty$). An expression is also obtained for the time variation of E in the form of a step function of the time t . The form of this function turns out to be useful in the analysis of diffusion in a gas or a liquid, starting from the Langevin level. An explicit expression is obtained for the rms displacement $\bar{x}^2(t)$ of the fast particle, describing the variation of $\bar{x}^2(t)$ for arbitrary t , including long before establishment of thermal equilibrium in the system comprising the gas (or liquid) and the trial particle. O. Kuznetsova. [Translation of abstract]

SUB CODE: 20

Card 1/1

llh

L 44433-66 EWT(m)

ACC NR: AP6023082 (AN) SOURCE CODE: UR/0367/66/003/004/0626/0629

AUTHOR: Fayngol'd, M. I.

ORG: Institute of Nuclear Physics, Academy of Sciences, Uzbek SSR (Institut Yadernoy fiziki akademii nauk Uzbekskoy SSR)

TITLE: A possible gamma-radiation mechanism in reactions with heavy ions

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 626-629

TOPIC TAGS: nuclear particle, dipole moment, gamma quantum, gamma radiation, ion beam, heavy ion

ABSTRACT: The validity is established of Babikov's hypothesis [Hirschfelder, 1. ; Curtiss, Ch. ; Bird, R. Molecular theory of gases and liquids, Univ. of Wisconsin, 1959] on the formation of a compound system with an electric dipole moment during the interaction of medium and heavy nuclei. It is shown that the formation of such systems, follows from the laws of motion if the presence of a strong interaction between peripheral nucleons in nuclei short distances apart is considered. The dependence of the γ -radiation energy on the energy of the ion beam is obtained and analyzed. The cross section for the γ -quantum emission in the formation of the

Card 1/2

L 44433-66

ACC NR: AP6023082

compound nucleus is found, making it possible to estimate the contribution of this process to the radiation observed. An experiment with similar nuclei is interesting for the separation of radiations. Such systems do not emit dipole radiation. The role of the γ -quantum of the compound nuclei will increase substantially as a result. Comparison with the radiation of systems having a dipole moment, can supply additional information on the role of torsion in nuclear interactions. In conclusion, the author thanks L. G. Yakovlev for his valuable comments and the participants of the IYaF seminars for discussion of the work. Orig. art. has: 16 formulas. [GC]

SUB CODE: 20/ SUBM DATE: 26Feb65/ ORIG REF: 004/ OTH REF: 003

Card 2/2 

FAYNGOL'D, M.M., vrach

Guarding the health of communication workers. Vest. sviazi
25 no.10:30-31 S '65. (MIRA 18:11)

AL'PEROVICH, P.M., professor; FAYNGOL'D, M.V.

Effect of circulatory disorders in cerebral tumors on the clinical course of the disease. Vop.neirokhir. 19 no.3:10-14 My-Je '55.

(MLRA 8:6)

1. Iz kafedry nervnykh bolezney Vinnitskogo meditsinskikh instituta.

(BRAIN, neoplasms,
compl., circ. disord.)

(BRAIN, blood supply,
circ. disord. in cerebral tumors)

AL'PEROVICH, P.M.,; FAYNGOL'D, M.V.

Characteristics of the hypertensive syndrome in metastatic cancer of the brain. Zhur. nevr. i psikh. 56 no.3:244-247 '56 (MIRA 9:7.

1. Kafedra nervnykh bolezney (zav.-prof. P.M. Al'perovich)
Vinnitskogo meditsinskogo instituta.

(BRAIN, neoplasms,
metastatic cancer causing intracranial hypertension
(Rus))

(CEREBROSPINAL FLUID, in var. dis.
hypertension in cancer of brain (Rus))

FAYNGOL'D, S., kand. tekhn. nauk; VOORE, Kh. [Voore, H.]

Dealkylating effect of aluminum chloride [with summary in English].
Izv. AN Est. SSR, Ser. fiz.-mat. i tekhn. nauk 12 no.1:100-107 '63.

(MIRA 16:5)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Chemistry.

(Aluminum chloride) (Alkylation)
(Hydrocarbons)

ca **FAYNGOLD, S.G.** 21

Removal of sediments formed in gas washers using solar oil. A. I. Brodovich and S. G. Fayngold. *Coke and Chem. (U. S. S. R.)* 8, No. 6, 33-4 (1960); *Chimie & Industrie* 41, 490. The sediments which form in gas washers using solar oil do not dissolve completely in any of the usual solvents, but they are easily emulsified by emulsions consisting of mixts. of various hydrocarbons and water. The most efficient and most stable emulsion consists of solvent naphtha 50, naphthenic acids 2.5, water 47.5%. A. Papineau-Conture

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECTION	SUBSECTION	TERMINAL	INITIAL	DATE	REMARKS
1	1	1	1	1	1
2	2	2	2	2	2
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100	100	100	100	100	100

FAYNGOLD S. G.

1375. FULL COOLING OF GASES WITH EXTRACTION OF NAPHTHALENE FROM THE
AIR MIXTURE. Fayngold, S.G. and Shcherchenko, A.I. (Koksa i Khim. (Chem. &
Chem. Technol.), 1956, (7), 32-35; abstr. in Chem. Abstr., 1957, vol. 51,
1967). Numerous schematic drawings of cooling towers together with tabulated
operating data are presented. C.A.

AUTHOR: FaYngol'd, S.G., Candidate of Technical Sciences and 145
Popova, A.S. (Yasinovsk Coke Oven Works).

TITLE: The determination of chlorides and thiocyanides in coal tar.
(Opredelenie khloridov i rodanidov v kamennougol'noy smole.)

PERIODICAL: "Koks i Khimiya" (Coke and Chemistry),
1957, No. 2, pp. 47 - 48, (U.S.S.R.)

ABSTRACT: The recommended method of determining chloride and thio-
cyanides in tar (ChMTU 10094-55) was found to give low results.
A modification of the method, namely, the preparation of the
salts extracts for subsequent titration with $\text{Hg}(\text{NO}_3)_2$ is
proposed. It consists of boiling 100 g of tar with 200 ml of
water and 1 g of sodium sulphate for 30 minutes with an air
condenser in order to remove ammonium salts. After cooling
the aqueous layer is filtered (if necessary through activated
carbon) and an aliquot portion (25 ml) titrated after an
addition of 0.2 ml of concentrated nitric acid and 1 ml of
10% nitrate. The analysis takes 1 1/2 hours. The comparison
of results obtained by both methods is given (Tables 1 and 2),
and this indicates that the old method required 4 subsequent
extractions to obtain results near to those by the new method.

KAUFMAN, A.S.; PAPUSHIN, L.L.; FAYNGOL'D, S.O.

Effect of the degree of fullness of charging bias on the exactness of
metering. Koks i khim no.3:3-6 '57. (MIRA 10:5)

1. Yasinovskiy koksokhimicheskiy zavod.
(Coke ovens)

Fayngol'd, S. G. 68-8-12/23

AUTHORS: Fayngol'd, S. G., Candidate of Technical Sciences, and
Zen'kovskaya, S. I., Engineer.

TITLE: Determination of the Content of Naphthalene, Mechanical
Admixtures and Tarry Substances in the Industrial Waters of
Coke Oven Works. (Opredeleniye sodержaniya naftalina,
mekhanicheskikh primesey i smolistykh veshchestv v promyshlennykh
vodakh koksokhimicheskikh zavodov).

PERIODICAL: Koks i Khimiya, 1957, No.8, pp. 32-34 (USSR)

ABSTRACT: A method for the determination of naphthalene, tarry substances
and solid particles in coke oven effluents and other process
waters is proposed. The method of determining naphthalene is
based on a combination of the picrate and filtering method. The
method of determining the content of solids is based on the ex-
traction with benzene and filtration. The total amount of ad-
mixtures is determined by filtration, weighing of the wet filter,
the water content of which is then determined by the Din and Stark
method. A good reproducibility is claimed. There is 1 figure and
1 Slavic reference.

ASSOCIATION: Yasinovka Coke Oven Works. (Yasinovskiy Koksokhimicheskiy Zavod).

AVAILABLE: Library of Congress.
Card 1/1

AUTHOR: Fayngol'd, S.G.

32-12-9/71

TITLE: Determination of the Content of Unsaturated Hydrocarbons in Crude Benzene and Benzene Fractions (Opredeleniye soderzhaniya nepredel'nykh uglevodorodov v syrom benzole i benzol'nykh fraktsiyakh).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 12, pp. 1425-1426 (USSR)

ABSTRACT: For the estimation of the quality of crude benzene it is decisive to determine its content of unsaturated compounds. The apparatus and methods of control of coke-chemical industrial products (in the USSR) intended herefore are, according to the opinion of the author, too complicated and (because of the necessary use of chlorine), too troublesome. A more simple method is therefore suggested in this paper, which consists in purification of the benzene by sulphuric acid, and, at the same time, serves the purpose of determining the unsaturated compounds in benzene. By way of washing of the crude benzene with the acid mentioned these compounds are extracted from the main fraction as a thick polymer resin. The remaining (light compounds) are eliminated in form of precipitation by way of the final rectification of the benzene. At the same time the thiophene and its

Card 1/2

Determination of the Content of Unsaturated Hydrocarbons
in Crude Benzene and Benzene Fractions

32-12-9/7:

homologous are transformed in the crude benzene into the polymers which are dissolved in the pure product and can then be removed as precipitation in the final rectification. (There follows the description of the experiment. The results are shown together in two tables). This method of analysis takes 50 - 60 minutes; the results obtained are satisfactory and were confirmed by investigations carried out with other methods. There are 2 tables.

ASSOCIATION: Yasinovka Coke-Tar Chemical Plant Yasinovskiy koksokhimicheskiy zavod)

AVAILABLE: Library of Congress

Card 2/2 1. Benzine purification-Sulfuric acid-Applications

FAYNGOL'D, S.G.

68-1-14/22

AUTHOR: Fayngol'd, S.G.

TITLE: An Improvement in Sampling of Raw Gas for Analyses for Benzole Hydrocarbons (Usovershenstvovaniye otbora pryamogo gaza pri analize benzol'nykh uglevodorodov)

PERIODICAL: Koks i Khimiya, 1958, No.1, pp. 52 - 53 (USSR).

ABSTRACT: A gas sampling and absorption train used on the Yasinovka Coke Oven Works for the determination of benzole hydrocarbons in raw coke oven gas is described. It is claimed that using this method a uniform flow of gas (without the usual blockages) can be obtained. Characteristic features: a vertical sampling pipe (30 mm dia.) followed by an inclined water cooled condenser, from which the gas passes into a condensate collecting vessel. From this, the gas passes into a vertical tube serving as an air condenser (Fig.1) followed by an absorption train, consisting of 2 wash bottles with 30% sulphuric acid, an empty wash bottle to catch acid spray, two wash bottles filled with cotton wool, two absorbers for H_2S (bog ore), an empty wash bottle followed by a wash bottle with copper sulphate (to check for H_2S). So the purified gas passes into absorbers with activated carbon. (Fig.2). There are 2 figures.

ASSOCIATION: Yasinovka Coke Oven Works (Yasinovskiy koksokhimicheskiy zavod)
Card1/2

68-1-14/22

An Improvement in Sampling of Raw Gas for Analyses for Benzole
Hydrocarbons.

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Fayngol'd, S. G., Candidate of Technical Sciences 68-58-4-9/21

TITLE: Preparation of Chorded Packing of Sulphur Scrubbers
(Podgotovka khordovoy nasadki sernykh skrubberov)

PERIODICAL: Koks i Khimiya, 1958, Nr 4, pp 30-34 (USSR)

ABSTRACT: When on the Yasinovka coke oven works the gas cleaning plant was put into operation, serious difficulties were experienced due to foaming of the soda solution used for scrubbing sulphur. The scrubber was filled with fresh pine hurdles. The periods of spraying hurdles with soda solution of various concentrations and at various temperatures before the scrubber started operating are given. Simultaneously with the practical measures taken for the removal of the above operating difficulties (extraction of hurdles), some experimental investigations were carried out in order to determine the component of pine hurdles causing foaming, the content of this component and the velocity of its extraction with various extracting agents and possible methods of extinguishing foam. In the paper the research carried out on the above subjects is described in some detail. It was found that colophony resins present in hurdles are extracted by potash solution, forming soaps which cause foaming. During the plant

Card 1/2

Preparation of Chorded Packing of Sulphur 68-58-4-9/21
Scrubbers

operation such foaming solution cannot be regenerated as the foam causes throwing over of the liquid into the vacuo pumps. Under laboratory conditions the duration of complete extraction of resins from hurdles takes 420 hours with 21 changes of the extracting solution and the ratio of the solution to hurdles 80:1. It was found during the investigations that foaming can be suppressed and normal regeneration of the liquid secured by a 5% addition of sodium chloride. An analysis of the absorbing solution from the Makeyevka plant indicated that it contained 0.80 g/l of saponified resins, but it did not foam due to the presence of balast-salts in an amount of 130 g/l. There are 5 tables.

ASSOCIATION: Yasinovskiy koksokhimicheskiy zavod (Yasinovka Coke Oven Works)

Card 2/2

1. Gases--Cleaning
2. Industrial plants--Operation
3. Sulfur--Processing
4. Soda solutions--Performance

SOV/68-59-7-20/33

AUTHORS: Fayngol'd, S.G. and Anan'yeva, V.I.

TITLE: Operating Conditions of Ammonia Stills.

PERIODICAL: Koks i khimiya, 1959, Nr 7, pp 51 - 53 (USSR)

ABSTRACT: In view of repeated blocking of the ammonia stills by precipitating gypsum which required cleaning of the still every 7 - 10 days, an outside reactor and an additional settling tank for the removal of precipitated gypsum were introduced. The above measure increased the period between successive cleanings of the still to 30 - 33 days, but did not solve the problem. On the basis of the temperature-solubility relationship for gypsum (see Figure), the temperature conditions in the settling tank and the still were maintained at 110 - 111°C and 107 - 108°C respectively. This increased the time between the successive cleanings of the still to 61 days. A rapid method (1 1/2 hours) of determination of SO_4^{2-} ions in the

Card 1/2

SOV/68-59-7-20/33

Operating Conditions of Ammonia Stills

ammonia liquor based on the precipitation of BaSO_4 with a solution of BaCl_2 of known normality and back titration of the excess of BaCl_2 with a solution of trilon B in the presence of magnesium ions and chrommethylene blue indicator is described.

There is 1 figure and 3 tables.

ASSOCIATION: Yasinovskiy koksokhimicheskiy zavod (Yasinovskiy Coking Works)

Card 2/2

Sov/68-59-10-13/24

AUTHORS: Fayngol'd, S.G., Candidate of Technical Sciences, and
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TITLE: Operation of the Sulphur Purification Plant on the
Yasinovka Coking Works

PERIODICAL: Koks i khimiya, 1959, Nr 10, pp 41-44 (USSR)

ABSTRACT: Purification of the coke oven gas from hydrogen sulphide
on the Yasinovka Works is done by the vacuo-potash method.
A comparison of the design on the actual average operating
indices of the desulphurisation plant indicated that the
required degree of desulphurisation (85%) was not obtained.
This was due to an insufficient spraying density in the
scrubber (2 litre/m³ of the gas), and on increasing the
rate of spraying to 2.7 litre/m³ the desulphurisation
process was sharply improved. Further deficiencies in
the plant design were: 1) lack of provision for the
removal of salts which accumulated in the regenerated
absorption solution (the composition and quantities are
given in table 2). For this purpose an evaporator
followed by two crystallising troughs (externally water

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cooled) were added (fig 1), which cured this defect of the original design. 2) Electrostatic precipitators of the MVT-3.5 type of a rectangular cross section. It was found that when the acid penetrated between the lining and the cone, a deformation of the precipitator's body takes place due to the formation of ferrous sulphate. Replacement of these precipitators by ones of a circular cross section is recommended. There is 1 figure and 2 tables.

ASSOCIATION: Yasinovskiy koksokhimicheskiy zavod
(Yasinovka Coking Works)

Card 2/2

FINKEL', M.Ya., prinimali uchastiye; SHEVCHENKO, A.I.; KAUFMAN, A.S.,
[deceased]; STEPANENKO, V.S.; FEDOROV, N.I.; PAVLOVA, N.F.;
AYZENBERG, L.G.; FAYNGOL'D, S.G.; LITVINOVA, K.I.; VASLYAYEV,
G.P.; STETSSENKO, Ye.Ya.; LITVINOVA, O.Yu.; USTINOVA, A.G.

Improvement of the saturation process in the production
of ammonium sulfate. Koks i khim. no.7:43-46 '60.

(MIRA 13:7)

1. Ukrainskiy uglekhimicheskiy institut (for Finkel').
2. Yasinovskiy koksokhimicheskiy zavod (for Vaslyayev).
3. Giprokoks (for Ustinova).
(Ammonium sulfate)

FILIPPOV, A. A.; FAYNGOL'D, S. G.; AYZENBERG, L. G. ;

Industrial mastering of the process of the production of polyacrylamide at the Yasinovka By-Product Coking Plant. Koks i khim. no.10:7-9 '60. (MIRA 13:10)

1. Yasinovskiy koksokhimicheskiy zavod.
(Yasinovka—Acrylamide)

PAYNGOL'D, S.G.; FILIPPOV, A.A.; ANAN'YEVA, V.I.

Experience in operating dephenolizing scrubbers without packing
in the zone of contact with phenolates. Koks i khim. no.1:46-49
'61. (MIRA 14:1)

1. Yasinovskiy khimicheskii zavod.
(Phenols) (Coke industry—By-products)

FILIPPOV, A.A.; FAYNGOL'D, S.G.; Prinsipali uchastiye: POPOVA, A.S.;
ZEN'KOVSKAYA, S.I.

Production of ammonium sulfate of improved quality. Koks. i khim.
no. 3:42-44 '61. (MIRA 14:4)

1. Yasinovskiy koksokhimicheskiy zavod.
(Ammonium sulfate)

KUZNETSOV, M.D.; FAYNGOL'D, S.G.; FILIPPOV, A.A.

Concerning ~~L.A. notes~~ notes. Koks i khim. no.3:64 '62. (MIRA 15:3)

1. Donetskii industrial'nyy institut (for Kuznetsov).
2. Yasinovskiy koksokhimicheskiy zavod (for Fayngol'd, Filippov).
(Scrubber (Chemical technology)) (Phenols)

FAYNGOL'D, S.G.; LEONOVA, N.A.

Determining nitrogen oxides in denitrated sulfuric acid. *Kolb*
i khim. no.7:43-45 '63. (MIRA 16:8)

1. Yasinovskiy koksokhimicheskiy zavod.
(Sulfuric acid) (Nitrogen oxides)

FAYNGOL'D, S.G.; LEONOVA, N.A.

New method for the denitration of sulfuric acid. Koks i khim. no.11:
44-46 '63. (MIRA 16:12)

1. Yasinovskiy koksokhimicheskiy zavod.

FAYNGOL'D, S., Kand.tekhn.nauk

Production engineers and researchers. NTO 5 no.4:45-46 Ap '63.
(MIRA 16:3)

1. Uchenyy sekretar' soveta pervichnoy organizatsii nauchno-tekhnicheskogo obshchestva Yasinovskogo koksokhimicheskogo zavoda.
(Yasinovka—Coke industry)

FAYNGOL'D, Samuil Isaakovich; TSYSKOVSKIY, V.K., nauchn. red.;
SEGAL', Z.G., ved. red.

[Synthetic cleaning compounds from petroleum and shale stock]
Sinteticheskie molushchie sredstva iz neftianogo i slantse-
vogo syr'ia. Leningrad, Nedra, 1964. 286 p. (MIRA 17:5)